

Converting Colors

XYZ(38.7114, 40.8310,
100.4486)

Have a look what the booklet for
XYZ(38.7114, 40.8310, 100.4486)
contains.

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Color

**XYZ(38.7209, 40.9233,
100.4659)**

Conversions

Conversions Part 1

Format	Color
Hex	63B0FF
RGB	99, 176, 255
RGB Percent	39%, 69%, 100%
CMY	0.6117, 0.3098, 0.0000
CMYK	0.61, 0.31, 0.00, 0.00
HSL	210°, 100%, 69%
HSV	210°, 61%, 100%
XYZ	38.7209, 40.9233, 100.4659
YIQ	161.9830, -71.2510, 8.2450

Conversions

Conversions Part 2

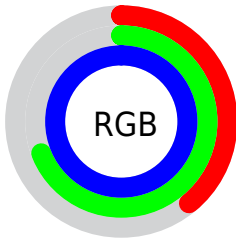
Format	Color
R _Y B	99, 151, 255
Decimal	6533375
CIE Lab	70.12, -0.56, -46.22
CIE LCh	70, 46.224, 269.307
Yxy	40.9233, 0.2150, 0.2272
Android (android.graphics.Color)	4284723455 (0xFF63B0FF)
YUV	161.9830, 45.8574, -55.2361
Hunter-Lab	63.9713, -3.9064, -48.3340

Details

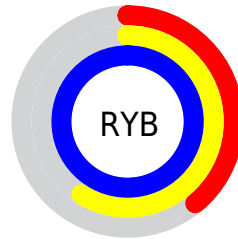
The XYZ color **38.7209, 40.9233, 100.4659** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **59.4141, 54.0042, 19.0988**, and the grayscale version is **34.1523, 35.9309, 39.1287**.

A 20% lighter version of the original color is **61.3239, 71.9489, 105.2632**, and **17.5387, 18.5637, 56.0848** is the 20% darker color. If you saturate the color by 10%, you get **33.9492, 34.8822, 99.5514**, and if you desaturate by 10%, it is **44.6154, 47.9021, 101.5023**.

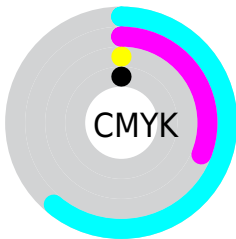
Distribution



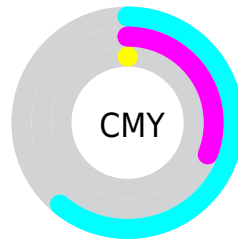
- Red (39%)
- Green (69%)
- Blue (100%)



- Red (39%)
- Yellow (59%)
- Blue (100%)



- Cyan (61%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7209, 40.9233, 100.4659 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.7209, 40.9233, 100.4659 by changing the saturation by 10% instead.

■ 38.7209, 40.9233,
100.4659

■ 38.7209, 40.9233,
100.4659

331.9301,
349.9999, 582.9448

■ 26.7224, 28.2592,
76.0706

■ 72.5086, 76.5674,
163.8547

■ 17.5004, 18.5211,
55.9834

■ 95.0284, 100.3162,
203.6854

■ 10.6894, 11.3248,
39.7857

■ 121.7862,
128.5287, 249.4983

■ 5.9241, 6.2857,
27.0590

153.1471,
161.5892, 301.7119

■ 2.8392, 3.0196,
17.3847

189.4766,
199.8822, 360.7448

■ 1.0693, 1.1420,
10.3443

231.1400,

■ 0.0000, 0.0135,

243.7921, 427.0156

5.5193

278.5027,
293.7032, 500.9427

■ 0.0000, 0.0000,
2.4910

■ 0.0000, 0.0000,
0.8354

■ 38.7209, 40.9233,
100.4659

■ 38.7209, 40.9233,
100.4659

■ 33.9492, 34.8822,
99.5514

■ 44.6154, 47.9021,
101.5023

■ 30.2036, 29.7171,
98.7518

■ 51.7098, 55.8660,
102.6656

■ 27.3750, 25.3620,
98.0603

■ 60.0787, 64.8632,
103.9611

■ 25.4932, 22.1065,
97.5311

■ 69.7888, 74.9371,
105.3938

■ 80.9021, 86.1280,
106.9681

■ 93.4764, 98.4741,
108.6884

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9410, 40.9233, 90.7769



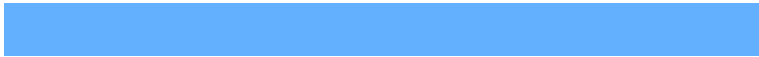
38.7209, 40.9233, 100.4659



46.4511, 40.9233, 91.5881

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.7209, 40.9233, 100.4659



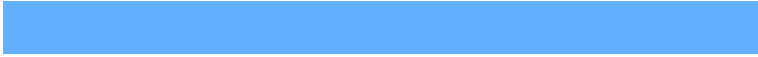
52.9926, 40.9233, 27.1353



27.6917, 40.9233, 26.5138

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.7209, 40.9233, 100.4659



59.4141, 54.0042, 19.0988

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.2086, 40.9233, 17.2302



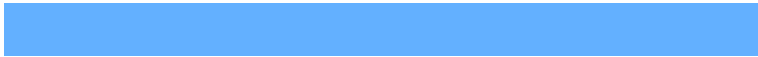
38.7209, 40.9233, 100.4659



46.7946, 40.9233, 17.4987

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.7209, 40.9233, 100.4659



55.3098, 40.9233, 45.0637



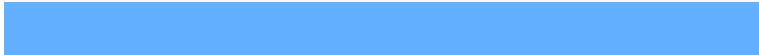
39.0724, 40.9233, 14.5565



26.1011, 40.9233, 44.0571

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.7209, 40.9233, 100.4659



50.9864, 40.9233, 77.5707



39.0724, 40.9233, 14.5565



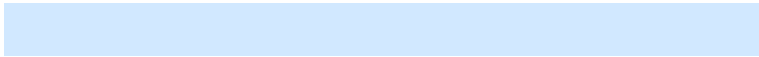
28.8867, 40.9233, 22.5606

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.7223, 40.9246, 100.4661



73.1605, 78.3654, 105.8778



48.8427, 77.3476, 53.9524



14.9964, 16.0996, 22.5671



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.7223, 40.9246, 100.4661



33.1912, 33.8750, 99.3969



27.6591, 18.7983, 96.7784



17.7435, 18.8585, 22.9548



13.4696, 11.8487, 51.0117



1.4205, 1.3718, 5.0032

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.5393, 33.3199, 44.6850



49.7681, 28.0615, 36.3866



79.2525, 93.6810, 25.7116



18.3832, 18.1366, 20.6348



23.5870, 11.9241, 11.7416



2.3516, 1.1830, 1.4331

Previews

White Background



This preview shows how the XYZ color 38.7209, 40.9233, 100.4659 looks on a white background.

Color Contrast Check

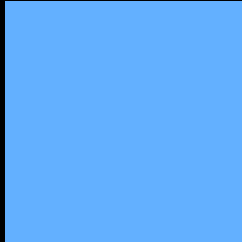
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.7209, 40.9233, 100.4659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

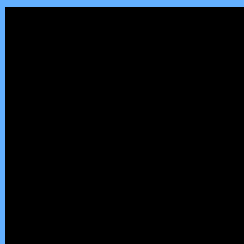
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

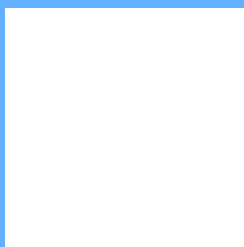
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7209, 40.9233, 100.4659

Background



This preview shows how black text looks on a background with the XYZ color 38.7209, 40.9233, 100.4659.



This preview shows how white text looks on a background with the XYZ color 38.7209, 40.9233,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.7209, 40.9233, 100.4659

Protanopia

42.4475, 40.7119, 94.4279

Deuteranopia

41.9404, 40.8750, 100.2869



Tritanopia

30.9256, 40.7907, 61.5018

Trichromacy



Original Color

38.7209, 40.9233, 100.4659

Protanomaly

40.8776, 40.6800, 96.9643

Deuteranomaly

40.5483, 40.7181, 100.3300

Tritanomaly

33.3464, 40.5154, 74.4693

Monochromacy



Original Color

38.7209, 40.9233, 100.4659

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.4300, 37.1119, 57.5732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7209, 40.9233, 100.4659 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 176, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.7209, 40.9233, 100.4659 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 176, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(99, 176, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(99, 176, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7209, 40.9233, 100.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 176, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 176,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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